KuQHS48  $\psi |\nabla \alpha|^2$ B**1**.30 2 -6 4 6 -4-6 -2 $|\nabla\psi|^2/\psi$  $\nabla \psi \cdot \nabla \alpha$ -6 -6 -24 -4 $\sqrt{\psi} \mathbf{B} \times \nabla B \cdot \nabla \alpha / B^3$  $\sqrt{\psi}^{-1} \mathbf{B} \times \nabla B \cdot \nabla \psi / B^3$ 0.100.1 φ Near-Axis s=0.01 ----- s=0.05 ----- s=0.1 ----- s=0.3KuQHS48 s=0.01 - s=0.05 - s=0.1 - s=0.3- Near-Axis ---- Mixed